

Abstract

A fuel injector (1), especially for directly injecting fuel into a combustion chamber of an internal combustion engine, having a valve needle (3) which, at its spray-discharge end, has a valve-closure member (4) that cooperates with a valve-seat surface (6) formed on a valve-seat member (5) to form a sealing seat, and having at least one spray orifice (7) provided downstream from the sealing seat, and an armature (20) that acts on the valve needle (3). The armature (20) is positioned so as to be axially movable on the valve needle (3) between a first limiting stop (21) situated on the valve needle (3) and a second limiting stop (34), and is hydraulically damped at the first limiting stop (21) by a pressure medium.

(Figure 2)